

# FIRE LANES

Revised 08/01/2011

CHAPTER 5: Fire apparatus roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction when any portion of the facility or any portion of an exterior wall of the first story building is located more than 150 feet from fire apparatus access as measured by an approved route around the exterior of the building or facility.

CHAPTER 5: Fire apparatus access roads shall have an unobstructed width of not less than 24 feet and an unobstructed vertical clearance of not less than 14 foot.

CHAPTER 5: Fire apparatus access roads shall be designed and maintained to support the imposed loads of the fire apparatus and shall be provided with a surface so as to provide all-weather driving capabilities per City of Garland paving standards.

CHAPTER 5: The minimum turning radius of a fire apparatus access road shall be 20 feet (see fire lane design).

CHAPTER 5: Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with approved provisions for the turning around of fire apparatus (see detail on page 3 for approved turnarounds).

**CHAPTER 5: The maximum gradient for a fire lane shall not exceed 10% and the maximum cross fall shall not exceed 1/2 inch per foot.**

CHAPTER 5: When any part of the access roads (except public way) is designated as a fire lane by the Fire Marshal it shall be the responsibility of the owner to install and maintain pavement markings and/or signs to properly notify the public of the location of fire lanes on his or her property.

**STRIPING:** Fire apparatus access roads shall be marked by painted lines of **red traffic paint** 6 inches wide to show the exact boundary lines of the fire lane. The lines shall be marked by painted 4 inch high lettering, using a 1 inch wide stroke of **white traffic paint** on the contrasting red background stating: "NO PARKING-FIRE LANE" or "FIRE LANE NO PARKING". This marking is to be placed at 25-foot intervals along each boundary line (see fire lane marking). Where a curb is available, the stripping shall be on the vertical face of the curb.

**SIGNS:** The signs shall read, "NO PARKING FIRE LANE" or "FIRE LANE NO PARKING" and shall be 12" wide and 18" high. Signs shall be painted on a white background with letters and borders in red, using not less than 2" lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6'6") above finished grade. Signs shall be spaced not more than fifty feet (50') apart. Signs may be installed on permanent buildings or walls or as approved by the Fire Chief.

**Fire lanes shall be installed and serviceable prior to construction of walls.**

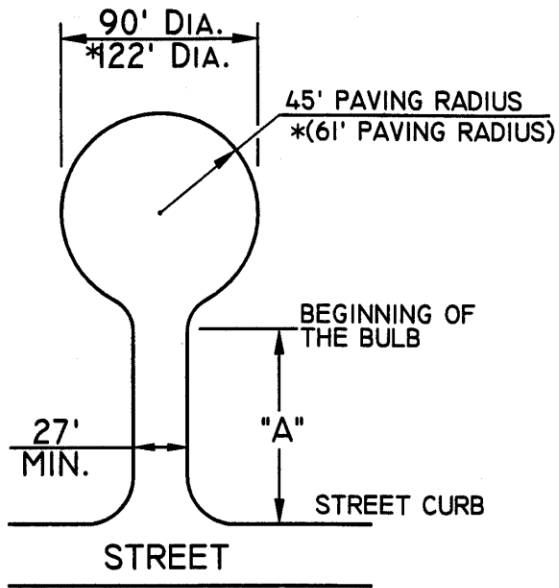
Reminder:

Concrete Must Have a Minimum Depth of 6 Inches

**GARLAND FIRE PREVENTION BUREAU**

**Office 972-781-7148**

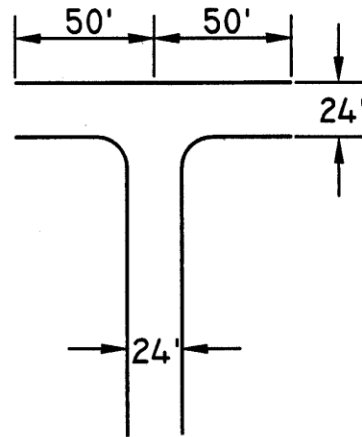
FIGURE 1



CUL-DE-SAC LENGTH

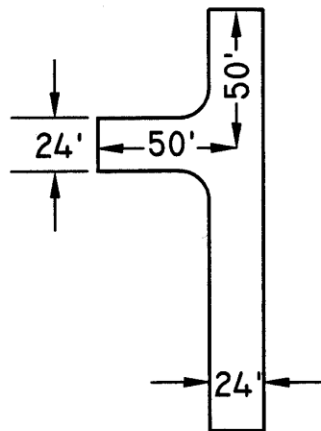
\* (IF CUL-DE-SAC DISTANCE "A" IS OVER 300' IN LENGTH, A 122' DIAMETER CIRCLE IS REQUIRED).

FIGURE 2



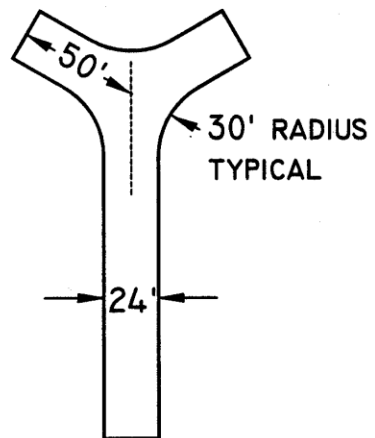
100' HAMMERHEAD

FIGURE 3



ACCEPTABLE ALTERNATIVE  
TO 100' HAMMERHEAD

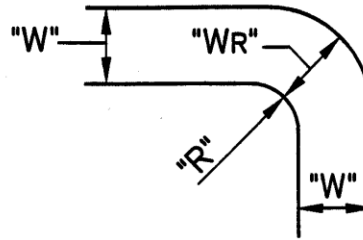
FIGURE 4



ACCEPTABLE ALTERNATIVE  
TO 100' HAMMERHEAD

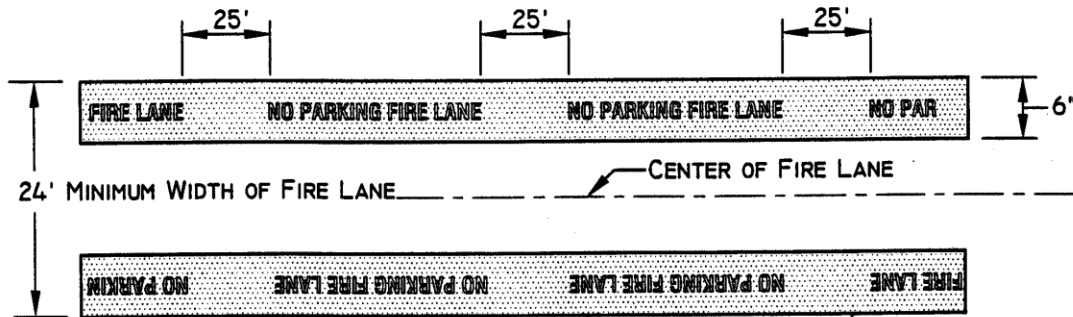
# FIRE LANE DESIGN

"W"	"R"	"WR"
24'	30'	30' MIN.
25'	20'	30' MIN.
30'	10'	30' MIN.



"W" = WIDTH (FEET) OF FIRE LANE  
 "R" = RADIUS NECESSARY TO ACCOMODATE FIRE VEHICLES  
 "WR" = TURNING RADIUS PAVEMENT WIDTH

# FIRE LANE MARKING



ALL MARKING SHOWN IN THIS STRIPE MUST BE ROTATED 180 DEGREES TO BE RIGHT READING FROM THE CENTER OF THE FIRE LANE.